

The Refuge

Positive Hit Music

Refuge Media Group

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Exhibit 12-1

Allocation Study for channel 241FX

(Redwood Falls/Olivia, MN Proposal)

7/18/2003

Channel: 241 (96.1 MHz)
Antenna: Non-directional Circularly Polarized
ERP: 0.250 kW (CP)
HAAT (Max of 12 evenly spaced radials:) 37.1 m (210°)

North Lat: 44° 40' 00"
West Lon: 95° 2' 16"
File No: BNPFT-20030314AMQ

Call Sign	Ch	Freq	Class	Status	City of License	St	File Number	Fac No.	ERP	
HAAT(H)(V)	RCAMSL(H)(V)	RCAGL(H)(V)	Latitude	Longitude	Dist	Req	Dist	Clear By		
<u>Affected Lower 3rd Adjacent Stations:</u>										
KRDS-FM	238	95.5	MHz	A	FM LIC	NEW PRAGUE	MN BLH	-19901205KD	34906	3.00 kW
100. 100.	418.0	418.0	98.0	98.0	N Lat 44° 27' 41.00"	W Lon 93° 35' 8"	117.60 km	25.33 km	92.27 km	
KRDS-FM	238	95.5	MHz	A	FM APP	NEW PRAGUE	MN BPH	-20021016AAE	34906	6.00 kW
100. 100.	418.0	418.0	98.0	98.0	N Lat 44° 27' 41.00"	W Lon 93° 35' 8"	117.60 km	29.40 km	88.20 km	
<u>Affected Lower 2nd Adjacent Stations:</u>										
KKOK-FM	239	95.7	MHz	C1	FM LIC	MORRIS	MN BLH	-	71876	100. kW
110. 110.	457.0	457.0	126. 126.	N Lat 45° 36' 11.00"	W Lon 95° 53' 14"	123.67 km	53.77 km	69.90 km		
--	239	95.7	MHz	A	FA VAC	LAKE CRYSTAL	MN Dkt	96-260	95525	6.0 kW
100. 100.*				N Lat 44° 09' 27.00"	W Lon 94° 22' 32"	77.35 km	29.40 km	47.95 km		
NEW	239	95.7	MHz	D	FX APP	NEW ULM	MN BNPFT	-20030317IHN	152814	.250 kW
69.3 69.3	364.7	364.7	55.0	55.0	N Lat 44° 19' 11.90"	W Lon 94° 34' 27"	53.33 km	11.95 km	41.38 km	
<u>Affected Lower 1st Adjacent Stations:</u>										
KILR-FM	240	95.9	MHz	C3	FM LIC	ESTHERVILLE	IA BLH	-19970606KA	29725	10.0 kW
99.0 99.0	512.0	512.0	102. 102.	N Lat 43° 25' 45.00"	W Lon 94° 49' 23"	138.57 km	42.86 km	95.71 km		
K240CU	240	95.9	MHz	D	FX LIC	WILLMAR	MN BLFT	-20020723ABF	78070	.232 kW
81.9 81.9	437.0	437.0	71.0	71.0	N Lat 45° 09' 58.00"	W Lon 95° 02' 37"	55.50 km	22.66 km	32.84 km	
<u>Affected Co-Channel Stations:</u>										
-none-										
<u>Affected Upper 1st Adjacent Stations:</u>										
KTTB	242	96.3	MHz	C1	FM LIC	GLENCOE	MN BLH	-20000203ABC	70705	100. kW
176. 176.	480.0	480.0	179. 179.	N Lat 44° 56' 25.00"	W Lon 93° 55' 43"	92.87 km	72.68 km	20.19 km		
<u>Affected Upper 2nd Adjacent Stations:</u>										
-none-										
<u>Affected upper 3rd Adjacent Stations:</u>										
KDOG	244	96.7	MHz	C3	FM LIC	NORTH MANKATO	MN BLH	-19930920KC	42993	4.00 kW
198. 198.	483.0	483.0	180. 180.	N Lat 44° 13' 20.00"	W Lon 94 ° 07' 3"	88.35 km	35.49 km	52.86 km		
<u>Affected I.F. Stations (10.6 Mhz and 10.8 MHz removed:)</u>										
K295AD	295	106.9	MHz	D	FX LIC	REDWOOD FALLS	MN BLFT	-19941020TC	55421	.250 kW
64.0 64.0	376.0	376.0		N Lat 44° 32' 28.00"	W Lon 95° 10' 58"	18.09 km	10.00 km	8.09 km		